

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO29558 Receipt Dates from 8/28/2015 to 8/28/2015

All Item ID/GL/WOs All Rec. Employees

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO29558	9		M7075T73R1.000	f	8/27/2015	8/28/2015	24.0000	\$6.80	0.0000	0	\$163.30
CAD	No		7075--T73 Rd Bar	f	24.0000	DCUSER		\$163.30	0.0000	0	
			1.00								
			m133054								
Total Received Quantity: 24.0000											
Total Qty to Inspect (PO U/M): 0.0000											
Total Reject Quantity: 0.0000											
Total Receipt Value: \$163.30											
Total Balance Due Quantity: 0.0000											

PURCHASE ORDER

Purchase Order ID PO29558

Purchase Order Date 8/21/2015

PO Print Date 8/21/2015

Page Number 1 of 5



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer Chantal Laviole
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M303R0.500		303 Round Bar 0.500"	8/27/2015	Yes	60.00	\$2.92	\$175.00
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PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582
(NOTE: AISI 304/316 NOT ACCEPTABLE)

2	M303R0.750		303 Round Bar 0.750	8/27/2015	Yes	36.00	\$3.55	\$127.80
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PURCHASE MATERIAL: AISI 303 SS ROUND BAR SPECIFICATION: ASTM A582
(NOTE: AISI 304/316 NOT ACCEPTABLE)

Line Total: \$127.80

Line Total: \$175.00

5/10/2015
58

Note:

8/21/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015

Page Number 2 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CANADA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

FOB

FCA - (Free Carrier)

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Laviole

Buyer

3 M304R0.375

304 ROUND BAR 0.375

8/27/2015

Yes

8/27/2015

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total:

\$35.00

4 M304R1.000

304 round bar 1.00

8/27/2015

Yes

8/27/2015

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total:

\$60.84

5 M6061T6B0.750X02.000

6061-T6 Bar .750 x 2.00

8/27/2015

Yes

8/27/2015

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

8/21/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015
Page Number 3 of 5

Order From : VC-COP001
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name	Vendor Phone	Customer P.O.I.D	Buyer
905 669 9444	Chantal Lavoie	Customer Tax #	
10127-2607	Net 30	Terms	
CAD		Currency	
FCA - (Free Carrier)		FOB	
Ship To Contact	Ship To Phone	Ship Via:	Ship Acct:
		VENDOR'S TRUCK	

Line Total: \$55.00

6	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	8/27/2015	Yes	40.00	\$0.94	\$37.50
---	---------------------	------------------------	-----------	-----	-------	--------	---------

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$37.50

7	M6061T6B1.250X04.500	6061-T6 Bar 1.25 X 4.50	8/27/2015	Yes	12.00	\$16.46	\$197.50
---	----------------------	-------------------------	-----------	-----	-------	---------	----------

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

15/08/2015
SC

Line Total: \$197.50

Note:

8/21/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29558
Purchase Order Date 8/21/2015
PO Print Date 8/21/2015

Page Number 5 of 5

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name
Vendor Phone

905 669 9444

Ship To Contact
Ship To Phone

VENDOR'S TRUCK

Ship Via:
Ship Acct:

FCA - (Free Carrier)

FOB

Currency

CAD

Terms

Net 30

Customer Tax #

10127-2607

Customer POID

Chantal Lavoie

No
8/27/2015

PROCUREMENT
QUALITY CLAUSES

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality document

\$0.00

Line Total: \$0.00

PO Total: \$967.24

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 8/21/2015

NO: PEC ST-837133

Q U O T A T I O N

AUG 20 2015

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

FOB

Qtd 19Aug15 Qte Ref
Via
Ctc CHANTAL

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Tel 613-632-9577 Fax 613-632-1053
Slp STAN IVERS (905-532-1350)

Q U O T A T I O N
Test Certs: Chem-Y Phys-Y 1 Original copies with Shipment, 1 with Invoice

1	STAINLESS STEEL ROUND BAR 303 STAINLESS	1 PCS	35.0000 EA	25.0000 LOT	35.00	8	LBS
	MATERIAL .50" DIA X 144.0000"						
2	STAINLESS STEEL ROUND BAR 303 STAINLESS	3 PCS	3.5500 FT		54	LBS	36 FT
	MATERIAL .750" DIA X 144.0000"						
3	STAINLESS STEEL ROUND BAR 304L	1 PCS	35.0000 EA		5	LBS	35.00
	MATERIAL .375" DIA X 144.0000"						
4	STAINLESS STEEL ROUND BAR 304L	1 PCS	6.3000 FT		32	LBS	12 FT
	MATERIAL 1.00" DIA X 144.0000"						
5	ALUMINUM FLAT BAR 6061-T6511	1 PCS	4.5833 FT		22	LBS	12 FT
	MATERIAL .750" X 2.00" X 144.0000"						
6	ALUMINUM FLAT BAR 6061-T6511	2 PCS	.9375 FT		15	LBS	40 FT
	MATERIAL .125" X 2.50" X 240.0000"						
7	ALUMINUM FLAT BAR 6061-T6511	1 PCS	16.4583 FT		79	LBS	12 FT
	MATERIAL 1.250" X 4.50" X 144.0000"						
8	ALUMINUM FLAT BAR 6061-T6511	1 PCS	5.4167 FT		26	LBS	12 FT
	MATERIAL 1.250" X 1.50" X 144.0000"						

No: PEC ST-837133

Q U O T A T I O N

Quoted By: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115) DART AEROSPACE
Quoted Ship To: (1) DART AEROSPACE

=====

9	ALUMINUM SQUARE BAR 6061-T6511	1.50" X 1.44.0000"	1	PCS	32	LBS	12	FT
Q U O T A T I O N								
QT No: PEC ST-837133								

=====

<<<----- SPECIFICATIONS ----->>>

GA Tol +	0.0000	-	0.0000	Pc/Tag	
WtTol +	0.0000	-	0.0000	Wt/Skd	
LtHtol +	0.1250	-	0.0000	Ty	Pk

10	ALUMINUM ROUND BAR 7075T7351	1.00" DIA X 144.0000"	2	PCS	23	LBS	24	FT
MATERIAL								
			8.9000	FT			213.60	

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

*** TEL. 800-926-2600 ***

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

***** WE STOCK STAINLESS STEEL!!!! *****

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***** PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE *****

ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE

*VISIT OUR WEBSITE: www.copperandbrass.com *****

Material	Processing	Freight	Other	Taxes	ORDER AMT
925.20			25.00	123.54	1,073.74

Taxes: ONHSTS	123.54	0.00	0.00	0.00	

Order Totals: 10 Items 296 LBS

21Aug15 14:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-838303

Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Ord 21Aug15 Due24Aug15
Via VIM TRANSFER
PO/Rel 29558
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-838303
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 303 STAINLESS 5 PCS / 40 LBS
.50" DIA X 144.0000" MATERIAL 60 FT
ENERGY & CAP SURCHG 1.7400 FT 25.0000 LOT 104.40 25.00

2 STAINLESS STEEL ROUND BAR 303 STAINLESS 3 PCS 54 LBS
.750" DIA X 144.0000" MATERIAL 36 FT
36 FT 127.80

3 STAINLESS STEEL ROUND BAR 304L 1 PCS 5 LBS
.375" DIA X 144.0000" MATERIAL
35.00

4 STAINLESS STEEL ROUND BAR 304L 1 PCS 32 LBS
1.00" DIA X 144.0000" MATERIAL 12 FT
75.60

5 ALUMINUM FLAT BAR 6061-T6511 1 PCS 22 LBS
.750" X 2.00" X 144.0000" MATERIAL 12 FT
55.00

6 ALUMINUM FLAT BAR 6061-T6511 2 PCS 15 LBS
.125" X 2.50" X 240.0000" MATERIAL 40 FT
37.50

7 ALUMINUM FLAT BAR 6061-T6511 1 PCS 79 LBS
1.250" X 4.50" X 144.0000" MATERIAL 12 FT
197.50

8 ALUMINUM FLAT BAR 6061-T6511 1 PCS 26 LBS
1.250" X 1.50" X 144.0000" MATERIAL 12 FT
65.00

9 ALUMINUM SQUARE BAR 6061-T6511 1 PCS 32 LBS
1.50" X 144.0000" MATERIAL 12 FT
12 FT

21Aug15 14:49 S A L E S A C K N O W L E D G M E N T No: PEC ST-838303

Sold By: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
Ship To: (1)
DART AEROSPACE

S A L E S A C K N O W L E D G M E N T SO NO PEC ST-838303
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

WtHtOl + 0.0000 - 0.0000 Wt/Skd
LthTol + 0.1250 - 0.0000 Ty
MATERIAL 12 FT @ 6.9333 FT 83.20

MIL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **
** TEL. 800-926-2600 **

* WE STOCK STAINLESS STEEL!!!
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

**FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

Order Totals: 9 Items 305 LBS
Material Processing Freight Other Taxes ORDER AMT
781.00 25.00 104.79 910.79
Taxes: ONHSTS 104.79

2015

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

Ship Date 27Aug15 at 12:45 From PFW
No: PEC 951241

Probill
Via VIM DELIVERY
FOB CONCORD
Route 0 - 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

B I L L O F L A D I N G

1) Our Order PEC-838541- 1 Your PO # 29558

ALUMINUM ROUND BAR 7075T7351
1.00" DIA X 144.0000"

Heat Number
Tag No
Quantity
PCS
Wt LBS

MA20143285
636984
24 FT
2
23

TOTAL:

ADD ON TO 838303 SUR-CHARGE ADDED

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 TUBE GW. 30 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

John Jones

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

L A D I N G
 No: PEC 951241
 Ship Date 27Aug15 at 12:45 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 FRT PREPAID
 Route 0 - 0 Manifest
 Vhcle Trailer
 SLP STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033
 Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

ADDED TO EVERY ORDER.***
 THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
 INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
 CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
 OFFICE WILL REMAIN OPEN.

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Certified Inspection Report

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662

10/30/14
00:25:47



Govt. Contract No.

Alcoa Order No.

Customer Part No.

Product

Customer P.O. No.

Ship To

Customer P.O. No. 5400237090
Copper Brass Sales
800 Arlington Blvd. Suite
Swedesboro, NJ 08085

Product CF8B-CF ROD
Shape DIA
Config 12 FT
Specific Length
BOL 000162427
QRR

Weight Shipped 1,030 lbs

Date Shipped 10/29/14

Alloy - Temper 7075-T7351

Size 1.00000 IN

Specifications:

AMS 4124E
ASIM-B211-12E1
AMS-QQ-A-225/9
QQ-A-225/9E
Material conforms to T73 reqmts

Product produced and marked to the requirements of AMS-QQ-A-225/9 also meets the requirements of QQ-A-225/9
Product produced and marked to the requirements of QQ-A-225/9 also meets the requirements of AMS-QQ-A-225/9

TEST REQUIREMENTS

TEST REQUIREMENTS																
	Max: Min:	U.T.S.	T.Y.S.	%Elong	Cond	test	test	test	test	test	test	test	test	test	test	Test
		test	test	test	test	test	test	test	test	test	test	test	test	test	test	Test
		68.0	67.9	10.0	38.0											
			56.0													

Tensile		Yield Strength KSI		2% offset		%Elong		Elongation % in 2"	
U.T.S.	Cond	U.T.S.	Cond	U.T.S.	Cond	U.T.S.	Cond	U.T.S.	Cond
75.6	Max:	65.6	Max:	16.0	Max:	38.6	Max:	17.0	Max:
74.4	Min:	64.6	Min:	15.0	Min:	38.5	Min:	16.5	Min:
74.4	Max:	64.0	Max:	18.0	Max:	39.2	Max:	17.0	Max:
71.9	Min:	60.7	Min:	16.5	Min:	38.8	Min:	16.5	Min:

When 2 or more tests per lot are made, the highest and lowest values are reported
Analysis obtained from one or more samples in this lot

TEST ABBREVIATIONS

U.T.S. Ultimate Tensile Strength KSI
Cond Conductivity % IACS

Aluminum Association Chemical Composition Limits (in Weight %)

ALLOY	MAX	MIN	%SI		%FE		%CU		%MN		%MG		%CR		%ZN		%Ti		%Others		%AL	
			0.40	0.50	0.50	0.50	2.0	1.2	0.30	0.30	2.9	2.1	0.28	0.18	6.1	5.1	0.20	0.20	0.05	0.15	Rem	Rem
7075																						

Actual Started Chemistry

LOTWORK ORDER		%SI		%FE		%CU		%MN		%MG		%CR		%ZN		%Ti		%Others		%AL	
MAX	MIN	0.06	0.06	0.14	0.14	1.6	1.6	0.02	0.01	2.5	2.4	0.20	0.20	5.7	5.7	0.02	0.02	0.05	0.15	Rem	Rem
MA20142249																					
MA20143285																					

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2404056672

CstOr 269415

Wgt.: 22.920 LB

Date 08/24/2015

Page 1

John R. Zambelli

Certified Inspection Report

10/30/14
00:25:47

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662



Customer	Customer P.O. No.	Customer Part No.	Alcoa Order No.	Govt. Contract No.
Copper Brass Sales	5400237090	(ALRD00054)	MMC-B3377- -120	

NOTES:

Material compliant with DFARS 252.225-7001 (Buy American Act)
Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.
This alloy meets the requirements of EU 2011/65/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.

From: ThyssenKrupp Materials NA	
Cust.: THYSSENKRUPP MATERIALS NA - ECAD	Del.: 2404056672
CstAr	CstOr 269415
Wgt.: 22.920 LB	Date 08/24/2015

John L. Zambetti

COPPER AND BRASS SALES

MATERIAL TYPE

ALUMINIUM ALLOYS

PRODUCT DESIGNATION

2014 2024 2224 2324 7050 7075 7150 7175 7475 ALUMEC 89 ALUMEC 99 QC-7

"WARNING"

SMALL CHIPS, FINE TURNINGS AND DUST MAY IGNITE READILY. EXPLOSION POTENTIAL MAY BE PRESENT WHEN DUST OR FINES ARE DISPERSED IN THE AIR; FINE, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH CERTAIN METAL OXIDES; OR, CHIPS, FINES, DUST OR MOLTEN ALUMINUM ARE IN CONTACT WITH WATER OR MOISTURE. KEEP AWAY FROM IGNITION SOURCE. USE EXPLOSION-PROOF VENTILATION. KEEP MATERIAL DRY.

THIS PRODUCT CONTAINS BERYLLIUM AND COPPER. INHALING BERYLLIUM DUST OR FUMES MAY CAUSE CHRONIC BERYLLIUM DISEASE (CBD), A SERIOUS CHRONIC LUNG DISEASE IN SOME INDIVIDUALS. BERYLLIUM IS A CANCER HAZARD; OVER TIME CBD AND CANCER CAN BE FATAL. TARGET ORGAN IS PRIMARILY THE LUNG. INHALING LARGE AMOUNTS OF COPPER, MAGNESIUM OXIDE, MANGANESE OXIDE, AND ZINC OXIDE FUMES OR DUST MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS. CHRONIC OVEREXPOSURE TO COPPER MAY CAUSE THICKENING OF THE SKIN, AND SKIN, TEETH, AND HAIR DISCOLORATION. CHRONIC OVEREXPOSURE TO MANGANESE DUST CAN CAUSE CENTRAL NERVOUS SYSTEM DAMAGE, SCARING OF THE LUNGS AND REPRODUCTIVE HARM IN MALES. TARGET ORGAN IS PRIMARILY THE LUNG, BUT REPEATED HIGH EXPOSURE CAN ALSO AFFECT THE LIVER. CHRONIC OVEREXPOSURE TO IRON OXIDE DUST/FUME MAY CAUSE LUNG SIDEROSIS. CHRONIC OVEREXPOSURE TO SILICON DUST CAN CAUSE CHRONIC BRONCHITIS. OVEREXPOSURE TO AMORPHOUS SILICA CAN CAUSE DRYING OF THE MUCOUS MEMBRANES OF THE EYES, NOSE, AND THROAT.

THIS PRODUCT ALSO CONTAINS NICKEL AND CHROMIUM COMPOUNDS. INHALATION OF NICKEL DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT AND CAUSE NASAL AND/OR LUNG CANCER. NICKEL HAS BEEN IDENTIFIED AS A POTENTIAL HUMAN CARCINOGEN. EXPOSURE TO CHROMIUM DUST OR FUMES MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE. UNDER HIGH TEMPERATURES, HEXAVALENT CHROMIUM MAY BE PRODUCED. IF IN THE INSOLUBLE FORM, IT IS A CONFIRMED HUMAN CARCINOGEN. (CALIFORNIA PROPOSITION 65).

IF COATED WITH OIL, MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A POSSIBLE CARCINOGENIC TO HUMANS. READ THE ALUMINIUM/ALUMINUM ALLOYS MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL.

* If processing or recycling produces particulate, use exhaust ventilation or other controls designed to prevent exposure to workers. Examples of such activities include melting, welding, grinding, abrasive sawing, sanding and polishing. Any activity which abrades the surface of this material can generate airborne particulate. Use appropriate NIOSH approved respiratory protection (P95; P100 for lead with, quantitative fit testing required) if exposures exceed the permissible limits.

* The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures. * Aluminum, in solid form and as contained in finished products presents no special health risk.

* Sold for manufacturing purposes only. This product can be recycled; contact your sales representative.

For additional information, call or write to Copper and Brass Sales, 22355 West Eleven Mile Road, Southfield, MI 48033, telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO.: 29558/H133054

THICKNESS ORDERED: 8.100
 THICKNESS RECEIVED: 8.100
 SHEET SIZE ORDERED:
 SHEET SIZE RECEIVED:

MATERIAL: 17075T73
 DATE: 15/08/31

MATERIAL CERT REC'D: 400
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED:

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

OC 18 INSPECTION **ENGINEERING SIGNOFF (if required)**

INSPECTED BY: 14 9.89
 DATE: 15/08/31
 SIGNED OFF BY:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in